SHARP

100th ANNIVERSARY

PNV600
PNV601

ULTRA-SLIM BEZEL LED DISPLAYS

World's Slimmest Bezel 60" LED Displays* For Virtually Seamless Multi-Screen Video Walls

Screen image simulated.

With the slimmest bezel in the 60" diagonal class*, the PNV600/PNV601 is the new standard for multi-screen video wall displays. Portrait and landscape compatibility, full array LED backlighting and virtually seamless borders help you create high impact video walls in almost any size and format.

*Based on published information as of August 1, 2012.

rental&STAGING SYSTEMS award Presented at InfoComm 2011

PNV601
Best Digital Signage Product – Displays

SCN Installation Products Award Presented at InfoComm 2011

PNV601
Most Innovative Video Display Product

ENERGY STAR

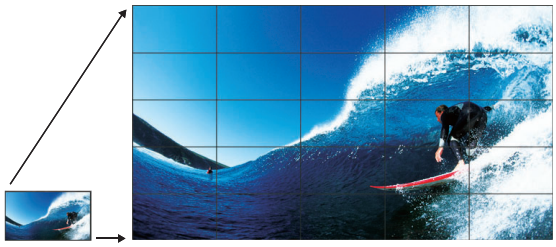
Screen image simulated.

Sharp Ultra-Slim Bezel LED Displays Open New Opportunities

The PNV600/PNV601 are the ideal choice for exciting, virtually seamless multi-screen video wall configurations. With professional design, high image quality and 24/7 certified reliability, the PNV600/PNV601 brings almost limitless digital signage and display possibilities to shopping malls, airports, museums, stadiums, control centres and more.

Enlarge (Zoom) Display Mode (for up to 25 Monitors)

The Enlarge (Zoom) Display mode can spread one image across up to 25 monitors (in a 5 x 5 configuration) from a PC. The Frame Width Adjustment function virtually eliminates misalignment and boldly enhances the enlarged image on a multi-screen display.

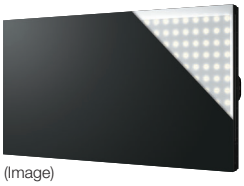


Single-monitor display

5 x 5 (25-monitor) display

Full-Array LED Backlight

To give the PNV600/PNV601 more uniform brightness than conventional CCFL* backlighting can offer, Sharp has positioned LED elements across the entire panel directly behind the liquid crystal layers, helping ensure that Sharp multi-screen displays are bright, beautiful and uniform.



(Image)

* Cold Cathode Fluorescent Lamp

PNZR01 Control Kit (sold separately)

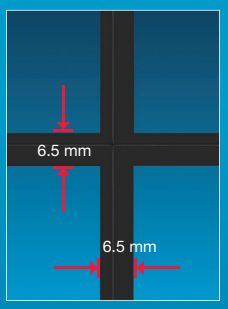
When one of the monitors in a multi-screen configuration is fitted with a remote control sensor box, all of the monitors can be conveniently operated through one remote control unit. And to help with overall energy savings, a brightness sensor automatically adjusts the brightness of the backlight to match the ambient lighting. (UPC: 074000069022)

Remote controller

Remote control sensor box

Almost Limitless Display Possibilities

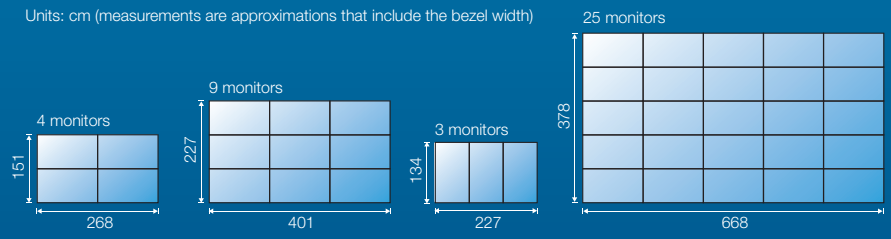
Thanks to the PNV600/PNV601's ultra-slim bezel, the borders between neighbouring monitors are a virtually seamless 6.5 mm*1 wide (2.4 mm on the right and bottom; 4.1 mm on the left and top).*2 When used in a video wall configuration, this enables the display of crisp and high impact images of almost any size and format. And, with 24/7 certified reliability, 3-year onsite parts and labour limited warranty and ENERGY STAR® qualified, the PNV600/PNV601 is designed to be both exceptionally reliable and environmentally friendly.



*1: Does not include the gap between the monitors. *2: Non-display area for neighbouring monitors is 7.1 mm.

Create Dynamic Video Walls

Units: cm (measurements are approximations that include the bezel width)



Almost any number of PNV600/PNV601 monitors may be joined together to create high impact multi-screen video walls. These configurations may be controlled through RS-232C or over a network.* Their ease of control and ease of integration help simplify the design and installation of sophisticated video wall displays of most any size and shape.

* PNZB02 input/output expansion board is required for network control.

Professional Quality And 24/7 Durability

Because business never stops, neither do the PNV600/PNV601 Video Wall Monitors. These professional-grade products are rugged enough for continuous 24/7 operation in the most demanding professional applications. As with all Sharp Professional Displays, the PNV600/PNV601 is backed by an outstanding 3 year limited warranty covering parts and labour.

Full Range of Connectivity

The PNV600/PNV601 feature extensive interface capability. Add the optional input/output expansion board (PNZB02) for even more ways to connect your video wall installation to the content source your project requires.

Choose the Model That Suits Your Needs

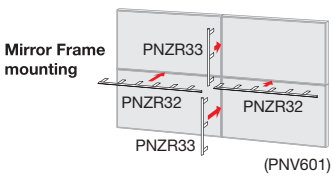
For environments with fewer ambient light sources, the PNV600 is the lower-brightness alternative to the PNV601. It also consumes less power, which helps conserve energy and reduce operating costs.

Create a 4K2K Ultra-High Resolution Experience

When placed in a 3x3 video wall configuration, the PNV600/PNV601 standard resolution multiplies by three, creating a total resolution of up to 4098 x 2304 pixels for ultra-high resolution/ultra-high impact images.

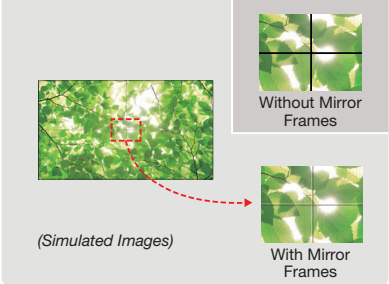
Mirror Frames (option)

In multi-screen configurations, mirror frames minimize the lines between slim-bezel PNV600 monitors by reflecting mirror images from the display content.



PNZR32
Long Mirror Frame

PNZR33
Short Mirror Frame

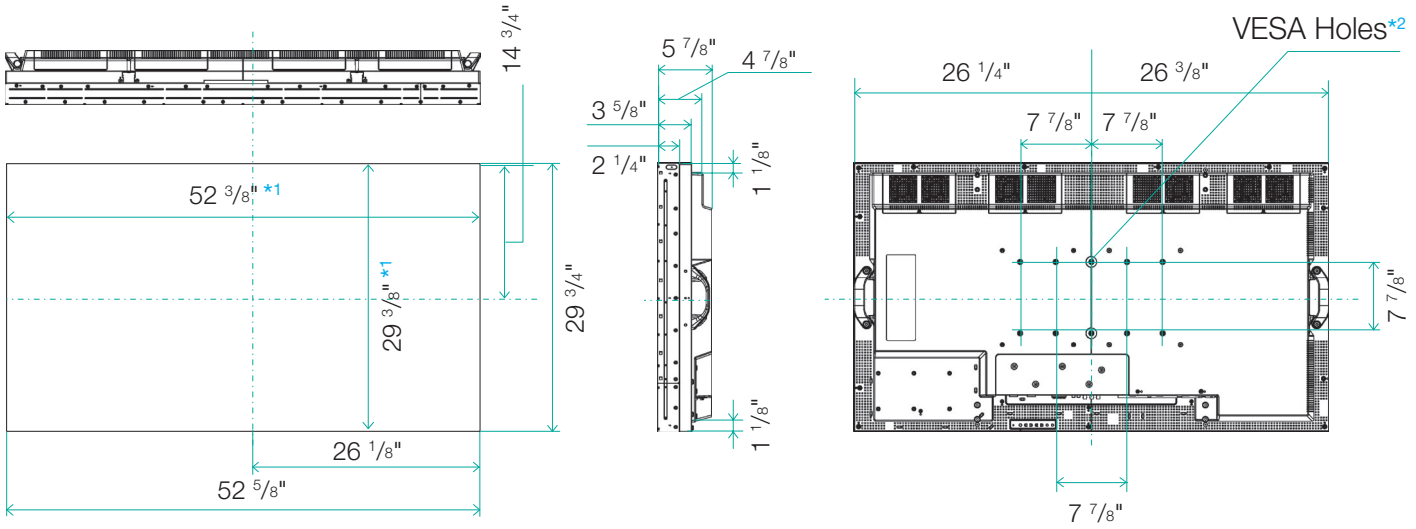


Specifications

Model Name		PNV600	PNV601
Installation		Landscape / Portrait	
LCD Panel		60-inch widescreen (152.4 cm diagonal)	
	Max. Resolution	1,366 x 768 pixels	
	Max. Display Colours (approx.)	16.77 million colours	
	Pixel Pitch	0.97275 mm	
	Max. Brightness*	450 cd/m²	700 cd/m²
	Contrast Ratio	2400:1	
	Viewing Angle (H/V)	176°/176° (CR ≥ 10)	
	Active Screen Area (W x H)	1328.8 x 747.1 mm	
	Response Time	6 ms (grey to grey, avg.)	
Computer Input	Video	Analog RGB (0.7 Vp-p) [75 Ω], Digital (conforms to DVI 1.0 standards)	
	Synchronization	Horizontal/vertical separation (TTL: positive/negative) Sync-on-green, Composite sync (TTL: positive/negative)	
	Plug & Play	VESA DDC2B	
	Power Management	VESA DPMS, DVI DMPM	
Video Colour System		NTSC (3.58 [NTSC-M]) / NTSC (4.43) / PAL / PAL60 / SECAM	
Input Terminals	Standard	PC analog: Mini D-sub 15-pin x 1, HDMI® x 1, 3.5 mm-diameter mini stereo jack x 1, RS-232C D-sub 9-pin x 1, Control Kit terminal x 1	
	Via Optional PNZB02 Board	PC digital: DVI-D 24 pin x 1, PC analog: BNC x 1 Video: BNC x 1, S-Video x 1, Component video: BNC (Y, Cb/Pb, Cr/Pr) x 1, Audio: RCA pin (L/R) x 2	

Model Name		PNV600	PNV601
Output Terminals	Standard	Audio: RCA pin (L/R) x 1, RS-232C D-sub 9-pin x 1	
	Via Optional PNZB02 Board	PC digital: DVI-D 24 pin x 1, External speaker 10W + 10W (6 Ω)	
Input/Output Terminals	Via Optional PNZB02 Board	LAN port	
Power Supply/Power Consumption		100V-240V AC, 50/60 Hz/310 W	100V – 240V AC, 50/60 Hz/480W
Standby Power Consumption		1.0W (standby mode in Standard) 0.5W (standby mode in Low Power)	1.8W (standby mode in Standard) 0.5W (standby mode in Low Power)
Mounting		VESA (6 points), 7 7/8" pitch VESA (4 points), 7 7/8" pitch	
Environmental Conditions	Operating Temperature	0°C to 40°C	
	Operating Humidity	20% to 80% RH (no condensation)	
Dimensions (W x D x H) (approx.)		52 5/8" x 5 7/8" x 29 3/4" (Display section only, not including protrusions)	
Packing Dimensions (W x D x H) (approx.)		62 1/4" x 15" x 36 3/4"	
Weight (not including PNZB02) (approx.)		41 kg (90 lbs.)	44 kg (96.9 lbs.)
Packing Weight (approx.)		52 kg (114 lbs.)	55 kg (121.25 lbs.)
Main Accessories		AC power code (approx. 3m.) operation manual, CD-ROM, stand hole protection cover	
UPC		074000069282	074000047068

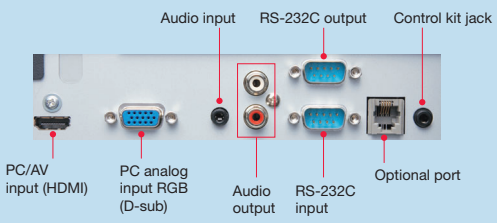
* Brightness will depend on input mode and other picture settings. Brightness level will decrease over time. Due to the nature of the source equipment, it is not possible to precisely maintain a constant level of brightness.



Units: inch

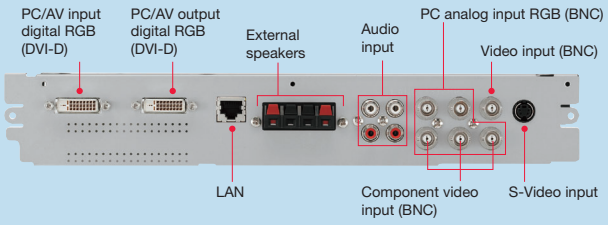
*1 Screen dimensions
*2 To use the VESA-standard mounting bracket, use M6 screws that are 8 to 10 mm plus the thickness of the bracket.

Input/Output Terminals (standard)



PNZB02 Interface Expansion Board (option)

074000047068



Microsoft, Windows, Microsoft Windows Server 2003/2008, Windows XP, Windows Vista, Windows 7, Internet Explorer, PowerPoint and Windows Media are trademarks or registered trademarks of Microsoft in the United States and/or other countries. Pentium and Celeron are trademarks or registered trademarks of Intel Corporation in the U.S. and other countries. Adobe, Flash and Adobe Flash Player are trademarks or registered trademarks of Adobe Systems Inc. QuickTime is a trademark of Apple Computer Inc. HDMI is a registered trademark of HDMI Licensing LLC. ENERGY STAR is a registered mark of the U.S. Government.

Design and specifications subject to change without prior notice. Sharp and related trademarks are trademarks or registered trademarks of Sharp Corporation and/or its affiliated entities. All other trademarks are the property of their respective owners.

SHARP ELECTRONICS OF CANADA LTD.
335 Britannia Road East, Mississauga, Ontario L4Z 1W9
(905) 890-2100 • **www.sharp.ca**
©2012 Sharp Electronics of Canada Ltd.
Printed in Canada. M7890

SHARP